

TITLE 326 AIR POLLUTION CONTROL BOARD

PROPOSED RULE AS PRELIMINARILY ADOPTED AND PROPOSED FOR FINAL ADOPTION LSA Document #98-111

DIGEST

Amends 326 IAC 6-1-12 concerning nonattainment area particulate limitations in Marion County. Amends 326 IAC 7-4-2 concerning sulfur dioxide emission limitations in Marion County. Effective 30 days after filing with the secretary of state.

HISTORY

First Notice of Comment Period: April 1, 1997, Indiana Register (20 IR 1897).
Second Notice of Comment Period and Notice of First Hearing: November 1, 1997, Indiana Register (21 IR 837).
Notice of Rescheduled Hearing: February 1, 1998, Indiana Register (21 IR 1793).
Notice of Rescheduled Hearing: March 1, 1998, Indiana Register (21 IR 2164).
Date of First Hearing: May 6, 1998.
Preliminary Adoption: May 6, 1998.
Proposed Rule and Notice of Second Hearing: June 1, 1998, Indiana Register (21 IR 3420).
Date of Second Hearing: September 2, 1998.

326 IAC 6-1-12

326 IAC 7-4-2

SECTION 1. 326 IAC 6-1-12, PROPOSED TO BE AMENDED AT 21 IR 1405,
SECTION 1, IS AMENDED TO READ AS FOLLOWS:

326 IAC 6-1-12 Marion County

Authority: IC 13-14-8; IC 13-17-3-4

Affected: IC 13-12; IC 13-14-4-3; IC 13-16-1

Sec. 12. (a) In addition to the emission limitations contained in section 2 of this rule, the following limitations apply to sources in Marion County:

| MARION COUNTY | | | | | | |
|--------------------------|------------|----------|------------|-----------------|-----------------|-------------|
| Source | NEDS Point | | Process | Emission Limits | | |
| | Plant ID | Input ID | | tons per year | lbs/million Btu | grains/dscf |
| Asph. Mat. & Const. Inc. | 0098 | 01 | Oxid. Tank | .3 | | .004 |

MARION COUNTY

| Source | NEDS Plant ID | Point Input ID | Process | Emission Limits | | |
|--------------------------|---------------|----------------|--|------------------|-----------------|-------------|
| | | | | tons per year | lbs/million Btu | grains/dscf |
| Bridgeport Brass | 0005 | 01 | Boiler 1 | 21.5 | .350 | |
| | 0005 | 02 | Boiler 2 | 21.5 | .350 | |
| | 0005 | 03 | Boiler 3 | 21.5 | .350 | |
| Central Soya | 0008 | 09A | Elevator Gallery Belt Trippers (East and West) | 0.92 | | .006 |
| | 0008 | 09B | Elevator Gallery Belt Loaders (East and West) | 0.70 | | .006 |
| | 0008 | 09C | Elevator Grain Dryer Conveying Legs | 1.01 | | .006 |
| | 0008 | 10A | Elevator #1 Truck & Rail Receiving System and Basement | 7.23 | | .006 |
| | 0008 | 10B | Elevator #2 Truck & Rail Receiving System | 4.95 | | .006 |
| | | | | | | |
| Cent. St. Hospital | 0009 | 01 | Boilers 7 & 8 | 22.0 | .350 | |
| | 0009 | 02 | Boiler 3 | 17.0 | .350 | |
| Chevrolet | 0010 | 0103 | Boilers 1-3 | 65.8 | .300 | |
| Chrys. (El.) Shade | 0011 | 01 | All Boilers | 67.8 | .324 | |
| Chrys. (Fdy.) S. Tibbs | 0012 | 01 | Cup.-Scrub | 34.2 | | .085 |
| | 0012 | 02 | D. Cl. Ck. 4 St. | 4.9 | | .038 |
| | 0012 | 07 | Hz. C. Ov. B. Ck. | 4.2 | | .008 |
| | 0012 | 08 | Hz. C. Ov. A. Ck. | 3.1 | | .006 |
| | 0012 | 09 | Hz. C. Ov. A. By | 6.2 | | .029 |
| | 0012 | 10 | Hz. C. Pst. Cr. | less than 1 T/yr | | .001 |
| | 0012 | 11 | Hz. C. Ov. B. Ry. | .4 | | .005 |
| | 0012 | 12 | Hz. Rv. Ov. Jkt. | less than 1 T/yr | | .001 |
| | 0012 | 13 | Hz. Ry. Ov. A. CCC | less than 1 T/yr | | .002 |
| | 0012 | 14 | Bg. Ex. Rb. 1 St. | 2.6 | | .020 |
| | 0012 | 16 | Hyd. Fdy. Gre. | 1.2 | | .004 |
| | 0012 | 18 | Ck. Unload. | 5.9 | | .021 |
| | 0012 | 19 | Flsk. Sk.-Out | 50.8 | | .030 |
| | 0012 | 22 | Snd. Trnsfr. | 2.6 | | .019 |
| | 0012 | 25 | Cr. Grinding | .01 | | .001 |
| | 0012 | 26 | Cr. Grinding | 1.6 | | .007 |
| | 0012 | 28 | Cl. Op. Cr. K. O. | 8.2 | | .034 |
| | 0012 | 29 | Cl. Room | 6.8 | | .020 |
| | 0012 | 30 | Cl. Room | 4.2 | | .020 |
| | 0012 | 31 | Chp. Op. | 16.7 | | .020 |
| | 0012 | 34 | Cst. Cl. | 57.5 | | .020 |
| Community Hospital | 0014 | 01 | Keller Boiler | .5 | .014 | |
| Design Mix | 0091 | 01 | Roty. Dry. | 9.8 | | .092 |
| Allison Transmission | 0017 | 01-05 | Boilers 1, 2, 3, 4, 5 | 39.3 combined | .15 each | |
| Allison Engine Co. No. 5 | 0070 | 01 | Boilers 1-4 | 130.0/yr | .337 | |
| | 0071 | 02 | Boilers 3-6 | | .15 | |
| | 0071 | 03 | Boilers 7-10 | | .15 | |
| No. 8 | 0071 | 01 | Boiler 2 | 0 | | |
| No. 8 | 0071 | 03 | Boiler 11 | 0 | | |
| Evans Milling | 0020 | 01 | Boiler | .7 | .014 | |
| | 0020 | 02 | Old Mill) Dust | 4.3 | | .030 |

MARION COUNTY

| Source | NEDS Plant ID | Point Input ID | Process | Emission Limits | | |
|-----------------------|---------------------|----------------------|------------------------|------------------|-----------------|-------------|
| | | | | tons per year | lbs/million Btu | grains/dscf |
| | 0020 | 05 | Old Mill) Dust | 4.3 | | .030 |
| | 0020 | 06 | Warehouse) Dust | 5.8 | | .030 |
| | 0020 | 07 | New Mill Dryers | 3.0 | | .030 |
| | 0020 | 08 | New Mill Dryers | 3.0 | | .030 |
| | 0020 | 09 | New Mill Dryers | 3.0 | | .030 |
| | 0020 | 10 | New Mill Dryers | 3.0 | | .030 |
| | 0020 | 11 | New Mill Dryers | 9.4 | | .030 |
| | 0020 | 12 | New Mill Coolers | 3.1 | | .030 |
| | 0020 | 13 | New Mill Cleaner | 3.3 | | .030 |
| | 0020 | 14 | Elevator Dust | 1.6 | | .030 |
| | 0020 | 15 | Headhouse Suction | 3.1 | | .030 |
| | 0020 | 16 | Corn Cleaner | 1.0 | | .131 |
| | 0020 | 17 | Corn Cleaner | 1.0 | | .131 |
| | 0020 | 18 | Headhouse Suction | 6.3 | | .030 |
| | 0020 | 19 | Old Mill Dust | 5.9 | | .030 |
| | 0020 | 20 | Large Hammermill | 8.2 | | .030 |
| | 0020 | 03 | Old Mill Dust | 4.3 | | .030 |
| | 0020 | 04 | Old Mill Dust | 4.3 | | .030 |
| Farm Bureau (Fert.) | 0653 | 02 | Gr. Dry Cooler | 15.2 | | .013 |
| | 0653 | 04 | Ammoniator | 3.9 | | .047 |
| | 0653 | 05 | Cooler Gr. | 6.3 | | .026 |
| | 0653 | 06 | Screen Gr. | less than 1 T/yr | | .005 |
| | 0653 | 07 | Bag. Ship. | .1 | | .004 |
| FMC Bearing | 0025 | 01 | Boilers 1-3 | 17.0 | .300 | |
| FMC Chain | 0062 | 0105 | Boilers | 7.6 | .300 | |
| | 0062 | 07 | Anneal. Ov. | .1 | | .004 |
| Ford Motor Co. | 0021 | 01 | Boiler 3 | 38.6 | .270 | |
| | 0021 | 02 | Boiler 2 | 55.1 | .270 | |
| | 0021 | 03 | Boiler 1 | 16.5 | .270 | |
| Ft. Benjamin Harrison | 0022 | 01 | Boiler 1 | 16.7 | .350 | |
| | 0022 | 02 | Boiler 2 | 16.7 | .350 | |
| | 0022 | 03 | Boiler 3 | 16.7 | .350 | |
| | 0022 | 04 | Boiler 4 | 16.7 | .350 | |
| Glass Containers | 0293 | 01 | Glass Melting Furnace | 43.0 | | (1 lb/ton) |
| Indep. Concrete Pipe | 0457 | 01 | Ct. St. Bn. 04 | .21 | | .014 |
| | 0457 | 02 | Ct. St. Bn. 03 | .41 | | .014 |
| Indpls. Rubber Co. | 0064 | 01 | Boilers | 70.0 | .350 | |
| Ind. Asph. Pav. Co. | 0027 | 01 | Roty. Dry. 1 | 7.8 | | .074 |
| | 0027 | 02 | Roty. Dry. 2 | 3.9 | | .066 |
| Ind. Veneers | 0031 | 01 | Wd. & Cl. Boil. | 13.9 | .330 | |
| IPL (Perry K) | 0034 | 01 | Boiler 11 & 12 | 302.2 | *.125 | |
| | 0034 | 02 | Boiler 13 & 14 | 135.4 | *.082 | |
| | 0034 | 03 | Boilers 15, 16, 17, 18 | 46.8 | *.068 | |
| IPL (Perry W) | 0035 | 01 | Boilers 17 & 18 | 49.5 | *.328 | |
| IPL (Stout) | 0033 | 01 | Boiler 1 | .38 | *.015 | |
| | 0033 | 02 | Boiler 2 | .38 | *.015 | |
| | 0033 | 03 | Boiler 3 | .38 | *.015 | |

MARION COUNTY

| Source | NEDS Plant ID | Point Input ID | Process | Emission Limits | | |
|----------------------|----------------------|----------------|------------------------------|-----------------|-----------------|-----------------|
| | | | | tons per year | lbs/million Btu | grains/dscf |
| | 0033 | 04 | Boiler 4 | .38 | *.015 | |
| | 0033 | 05 | Boiler 5 | .38 | *.015 | |
| | 0033 | 06 | Boiler 6 | .38 | *.015 | |
| | 0033 | 07 | Boiler 7 | .38 | *.015 | |
| | 0033 | 08 | Boiler 8 | .38 | *.015 | |
| | 0033 | 09 | Boiler 9 | 1.9 | *.015 | |
| | 0033 | 10 | Boiler 10 | 2.2 | *.015 | |
| | 0033 | 11 | Boiler 50 | 82.2 | *.135 | |
| | 0033 | 12 | Boiler 60 | 82.2 | *.135 | |
| | 0033 | 13 | Boiler 70 | .38 | *.1 | |
| | 0033 | 14 | Gas Turbine 1 | .28 | *.015 | |
| | 0033 | 15 | Gas Turbine 2 | .28 | *.015 | |
| | 0033 | 16 | Gas Turbine 3 | .28 | *.015 | |
| Nat'l. R.R. (Amtrak) | 0646 | 01 | Boiler 1 | 23.0 | .350 | |
| | 0646 | 02 | Boiler 2 | 23.0 | .350 | |
| National Starch | 0042 | 01 | Boiler 5 | 26.2 | .047 | |
| | 0042 | 86 | Boiler 1, 2, 3 | 188.3 | .320 | |
| | 0042 | 06 | 61-9 | 2.3 4.1 | | .016 |
| | 0042 | 11 | 56-2 | 1.1 11.3 | | .001 |
| | | | | | | 0.010 |
| | 0042 | 12 | 71-2 | 2.6 | | .030 |
| | 0042 | 13 | 61-6 | .1 | | .030 |
| | 0042 20B1 | | 67-9B1 | 4.4 | | .030 |
| | 0042 20B2 | | 67-9B2 | 4.4 | | .030 |
| | 0042 | 22 | 56-1 | 2 7.02 | | .001 |
| | | | | | | 0.020 |
| | 0042 | 29 | 40-4 | 6.7 44.1 | | .005 |
| | | | | | | 0.020 |
| | 0042 | 30 | 40-3 | 7.9 42.3 | | .005 |
| | | | | | | 0.020 |
| | 0042 | 31 | 40-2 | 8.6 31.9 | | .005 |
| | | | | | | 0.020 |
| | 0042 | 35 | 69-3 | 3.7 | | .026 |
| | 0042 | 42 | 71-6 | 1.8 | | .030 |
| | 0042 | 43A | 42-1A 42-1 | .9 | | .030 |
| | 0042 | 20A | 67-9A | 2.7 | | .030 |
| | 0042 | 43B | 42-1B | .9 | | .030 |
| | 0042 | 46 | 61-14A | .6 | | .029 |
| | 0042 | 47 | 61-14 | 1.2 | | .028 |
| | 0042 | 55 | 42-8 | 4.2 | | .030 |
| | 0042 | 56A | 42-7A | 1.7 | | .032 |
| | 0042 | 56B | 42-7B | 1.7 | | .032 |
| | 0042 | 56C | 42-7C | 1.7 | | .032 |
| | 0042 | 57A | 42-3A | 1.8 | | .032 |
| | 0042 | 57B | 42-3B | 1.8 | | .032 |
| | 0042 | 57C | 42-3C | 1.8 | | .032 |
| | 0042 | 57D | 42-3D | 1.8 | | .032 |
| | 0042 | 57E | 42-3E | 1.8 | | .032 |

MARION COUNTY

| Source | NEDS Plant ID | Point Input ID | Process | Emission Limits | | |
|--------|---------------------|----------------------|---------|-----------------|-----------------|-------------|
| | | | | tons per year | lbs/million Btu | grains/dscf |
| | 0042 | 57F | 42-3F | 1.8 | | .032 |
| | 0042 | 59 | 42-4 | 2.3 | | .029 |
| | 0042 | 60 | 42-10 | 2.4 | | .030 |
| | 0042 | 61 | 67-7 | 13.8 | | .015 |
| | 0042 | 62 | 67-8 | .3 | | .030 |
| | 0042 | 63 | 42-6 | 2.5 | | .030 |
| | 0042 | 64 | 71-1 | .9 | | .030 |
| | 0042 | 67A | 71-5A | .3 | | .026 |
| | 0042 | 67B | 71-5B | .3 | | .026 |
| | 0042 | 67C | 71-5C | .3 | | .026 |
| | 0042 | 67D | 71-5D | .3 | | .026 |
| | 0042 | 67E | 71-5E | .3 | | .026 |
| | 0042 | 67F | 71-5F | .3 | | .026 |
| | 0042 | 67G | 71-5G | .3 | | .026 |
| | 0042 | 67H | 71-5H | .3 | | .026 |
| | 0042 | 67I | 71-5I | .3 | | .026 |
| | 0042 | 67J | 71-5J | .3 | | .026 |
| | 0042 | 67K | 71-5K | .3 | | .026 |
| | 0042 | 67L | 71-5L | .3 | | .026 |
| | 0042 | 68A | 71-4A | .3 | | .026 |
| | 0042 | 68B | 71-4B | .3 | | .026 |
| | 0042 | 68C | 71-4C | .3 | | .026 |
| | 0042 | 68D | 71-4D | .3 | | .026 |
| | 0042 | 69 | 67-3 | 2.2 | | .030 |
| | 0042 | 71 | 67-17 | 21.8 | | .029 |
| | 0042 | 72 | 67-16 | 7.0 | | .030 |
| | 0042 | 73 | 67-12 | 4.4 | | .030 |
| | 0042 | 78A | 62-1A | 8.6 | | .030 |
| | 0042 | 78B | 62-1B | 8.6 | | .030 |
| | 0042 | 78C | 62-1C | 8.6 | | .030 |
| | 0042 | 78D | 62-1D | 8.6 | | .030 |
| | 0042 | 78E | 62-1E | 8.6 | | .030 |
| | 0042 | 78F | 62-1F | 8.6 | | .030 |
| | 0042 | 78G | 62-1G | 8.6 | | .030 |
| | 0042 | 78H | 62-1H | 8.6 | | .030 |
| | 0042 | 78I | 62-1I | 8.6 | | .030 |
| | 0042 | 78J | 62-1J | 8.6 | | .030 |
| | 0042 | 78K | 62-1K | 8.6 | | .030 |
| | 0042 | 78L | 62-1L | 8.6 | | .030 |
| | 0042 | 79A | 62-2A | 7.9 | | .028 |
| | 0042 | 79B | 62-2B | 7.9 | | .028 |
| | 0042 | 79C | 62-2C | 7.9 | | .028 |
| | 0042 | 79D | 62-2D | 7.9 | | .028 |
| | 0042 | 80 | 67-13 | 5.2 | | .030 |
| | 0042 | 81 | 69-5 | 6.1 | | .030 |
| | 0042 | 82 | 67-15 | 7.0 | | .030 |
| | 0042 | | 67-19 | 33.1 | | .030 |

MARION COUNTY

| Source | NEDS Plant ID | Point Input ID | Process | Emission Limits | | |
|-------------------------|---------------|----------------|------------------|------------------|-----------------|--------------|
| | | | | tons per year | lbs/million Btu | grains/dscf |
| | 0042 | | 575-1 | 32.4 | | .018 |
| | 0042 | | 575-2 | 32.4 | | .018 |
| | | | | | | 0.011 |
| | 0042 | 04 | Boiler 4 | 3.4 | .15 | |
| | 0042 | 40 | 67-t | 51.6 | | .003 |
| Navistar International | 0039 | 1a | E.M. 1 Baghouse | 45.7 | | .019 |
| | 0039 | 1b | E.M. 2 Baghouse | 53.5 | | .020 |
| | 0039 | 02 | Boiler 1 | 14.0 | .30 | |
| | 0039 | 03 | Boiler 2 | 13.0 | .30 | |
| | 0039 | 04 | Boiler 3 | 34.9 | .30 | |
| | 0039 | 05 | Phase 1 Baghouse | 35.4 | | .020 |
| | 0039 | 06 | Phase 3 Baghouse | 55.1 | | .020 |
| | 0039 | 07 | M-3 Baghouse | 72.4 | | .015 |
| | 0039 | 98 | Phase 4 Baghouse | 99.6 | | .02 |
| | 0039 | 99 | Phase 5 Baghouse | 62.0 | | .02 |
| | 0039 | 08 | Cst. Cl. Cr. 1 | .0 | | .0 |
| | 0039 | 09 | Pngbrn. Shtb. | .0 | | .0 |
| | 0039 | 10 | Cst. Clg. Cr. 2 | .0 | | .0 |
| Quemetco (RSR Corp) | 0079 | 01 | Rev. Fur. 01 | 5.8 | | .016 |
| | 0079 | 02 | Blast Furnace | 3.7 | | .014 |
| RCA | 0047 | 02 | 2 Boil Oil | 28.7 | .15 | |
| Refined Metals | 0036 | 01 | Blast Furnace | 2.8 | | .003 |
| | 0036 | 02 | Pot Furnace | less than 1 T/yr | | .0005 |
| Reilly Industries, Inc. | 0049 | 01 | 186 S | .9 | .011 | |
| | 0049 | 02 | 2722 W | 3.5 | .15 | |
| | 0049 | 03 | 2726 S | 7.8 | .15 | |
| | 0049 | 04 | 2728 S | 2.2 | .15 | |
| | 0049 | 05 | 2607 T | .9 | .011 | |
| | 0049 | 06 | 2714 V | 3.1 | .15 | |
| | 0049 | 07 | 2707 V | .4 | .011 | |
| | 0049 | 08 | 2724 W | 4.0 | .15 | |
| | 0049 | 09 | 702611 | .1 | .011 | |
| | 0049 | 10 | 722804 | .2 | .011 | |
| | 0049 | 11 | 732714 | 7.5 | .15 | |
| | 0049 | 12 | 2706 Q | .1 | .011 | |
| | 0049 | 13 | 2713 W | .2 | .011 | |
| | 0049 | 14 | 2714 W | 4.7 | .011 | |
| | 0049 | 15 | 2720 Q | .1 | .011 | |
| | 0049 | 16 | B & W | 4.0 | .15 | |
| | 0049 | 17 | Riley | 4.0 | .15 | |
| | 0049 | 18 | 2729 Q | .1 | .011 | |
| | 0049 | 19 | 2710 P | 1.6 | .15 | |
| | 0049 | 20 | 2740 Q | 2.0 | .15 | |
| | 0049 | 21 | 112 E | .5 | .15 | |
| Richardson Co. | 0065 | 01 | Boil. 2 Oil | 1.5 | .015 | |
| Rock Island Refinery | 0051 | 01 | Boiler 4 | less than 1 T/yr | | |
| | 0051 | 02 | Boiler 5 | less than 1 T/yr | | |
| | 0051 | 05 | Boiler 8 | less than 1 T/yr | | |

MARION COUNTY

| Source | NEDS Plant ID | Point Input ID | Process | Emission Limits | | |
|------------------------|---------------|----------------|-------------------|-----------------|-----------------|-------------|
| | | | | tons per year | lbs/million Btu | grains/dscf |
| | 0051 | 06 | PH-1 | 28.0 | .15 | |
| | 0051 | 07 | P-H2 | 26.0 | .15 | |
| | 0051 | 11 | H-H1 | 18.4 | .15 | |
| | 0051 | 10 | H-H2 | 12.9 | .15 | |
| | 0051 | 13 | H-H3 | 14.9 | .15 | |
| | 0051 | 14 | | | | |
| | 0051 | 24 | FCC (Proc.) | | | |
| | 0051 | | (Co. Boiler) | 154.4 | .15 | |
| | 0051 | 26 | Pr. Htr. P-H6 | 73.6 | .15 | |
| | 0051 | 27 | Alk./Reboiler | 18.2 | .15 | |
| | 0051 | 28 | FCC Heater | 30.2 | .15 | |
| | 0051 | 29 | Crude Oil Heater | 10.2 | .017 | |
| | 0051 | 30 | Vacuum Heater | 34.0 | .15 | |
| | 0051 | 31 | Sulfur Recv. | 1.01 | | .026 |
| | 0051 | | G.-B1 Boiler | 13.3 | .15 | |
| St. Vincent's Hospital | 0476 | 0103 | Boilers 1-3 | .7 | .011 | |
| Sludge Incinerator | 0032 | 01 | Incinerator #5 | 17.9 | | .030 |
| | 0032 | 02 | Incinerator #6 | 17.9 | | .030 |
| | 0032 | 03 | Incinerator #7 | 17.9 | | .030 |
| | 0032 | 04 | Incinerator #8 | 17.9 | | .030 |
| | 0032 | 05 | Incinerators #1-4 | 72.5 | | .030 |
| Stokeley Van Camp | 0056 | 0103 | Boiler | 93.3 | .350 | |
| Union Carbide | 0060 | 01 | 3 Boilers | 35.5 | .350 | |
| Western Electric | 0058 | 01 | Boiler 2 | 9.1 | | .310 |
| | 0058 | 02 | Boiler 3 | 15.9 | | .310 |
| | 0058 | 03 | Boiler 4 | 16.9 | | .310 |
| | 0058 | 04 | Boiler 5 | 58.3 | | .310 |

*Established based upon ASME Power Test Code Procedure.

(b) Sources shall be considered in compliance with the tons per year emission limits established in subsection (a) if within five percent (5%) of the emission limit.

(c) In addition to complying with subsections (a) through (b), Navistar International Transportation Corporation shall comply with the following:

(1) The height of each of the two (2) stacks on the M-3 baghouse (Point ID 07) shall be increased by fifty (50) feet by August 31, 1990.

(2) Within thirty (30) days of the effective date of this rule, Navistar shall submit to the department the following:

(A) A certification as to the complete and permanent shutdown of the sources identified as Point ID 8, 9, and 10 of subsection (a) and No. 2 Large Mold Line, M-2 Mold Line, M-4 Mold Line, and the core-making and core-knockout operations for these mold lines.

(B) A written list of sources not identified in subsection (a) with a potential to emit ten (10) or greater tons per year.

(3) Within thirty (30) days of the end of each calendar quarter, a written report shall be

submitted to the department of the monthly emissions from each emission point identified in subsection (a) which contains information necessary to estimate emissions, including:

(A) for boilers, fuel type, usage, ash content, and heat content; and

(B) for other processes, the appropriate production data, emission factors, and proper documentation of the emission factors.

(4) The tons per year limitation shall be met based on the sum of the monthly emissions for each twelve (12) month period.

(5) A written report detailing Navistar's operation and maintenance program to provide for proper operation of and to prevent deterioration of the air pollution control equipment on the emission points identified as Point ID 1a, 1b, 5, 6, 7, 98, and 99 in subsection (a) to be submitted to the department by July 31, 1990.

(d) In addition to complying with subsections (a) through (b), Allison Engine shall comply with the following:

(1) Boilers 1 through 4 of Plant 5 may use only coal, #4 fuel oil, or natural gas as a fuel.

(2) Boilers 3 through 10 of Plant 8 may use only #6 fuel oil, #4 fuel oil, #2 fuel oil, or natural gas as a fuel.

(3) Boilers 2 and 11 of Plant 8 shall not operate.

(4) Boilers 1 through 4 of Plant 5 and boilers 3 through 10 of Plant 8 shall have the following limitations depending upon the fuel being used:

(A) When using only #4 fuel oil, the amount used for the listed boilers collectively is not to exceed thirty-seven million one hundred forty-two thousand eight hundred (37,142,800) gallons per year based on a three hundred sixty-five (365) day rolling figure.

(B) When either coal, #6 fuel oil, #2 fuel oil, or natural gas is used, the limitation listed in clause (A) shall be adjusted as follows:

(i) When using coal, the gallons per year of #4 fuel oil shall be reduced by fifty-nine thousandths (0.059) gallon per pound of coal burned.

(ii) When using #6 fuel oil, the gallons per year of #4 fuel oil shall be reduced by two and six-tenths (2.6) gallons per gallon used.

(iii) When using natural gas, the gallons per year of #4 fuel oil shall be reduced by eighty-eight hundred-thousandths (0.00088) gallon per cubic foot of natural gas burned.

(iv) When using #2 fuel oil, the gallons per year of #4 fuel oil shall be reduced by twenty-eight hundredths (0.28) gallon per gallon used.

(5) A log shall be maintained to document compliance with subdivision (4). These records shall be maintained for at least the previous twenty-four (24) month period and shall be made available upon request by the department.

(e) In addition to complying with subsections (a) through (b), Allison Transmission shall comply with the following:

(1) Maintain monthly fuel usage records for each boiler identified in subsection (a) that contains sufficient information to estimate emissions, including:

- (A) boiler identification and heat capacity;
- (B) fuel usage for each type of fuel; and
- (C) heat content of fuel.

(2) Within thirty (30) days of the end of each calendar quarter, a written report shall be submitted to the department and the Indianapolis Environmental Resources Management Division of the monthly emissions of the boilers identified in subsection (a) and including the information in subdivision (1).

(3) Compliance with the annual tons per year limitation shall be based on the sum of the monthly emissions for each twelve (12) month period.

(4) The fuel usage records shall be maintained at the source for three (3) years and available for an additional two (2) years. The records shall be made available to the department or its designated representative upon request.

(Air Pollution Control Board; 326 IAC 6-1-12; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2472; filed Dec 14, 1989, 9:30 a.m.: 13 IR 868; filed Oct 4, 1995, 10:00 a.m.: 19 IR 186; errata filed Dec 11, 1995, 3:00 p.m.: 19 IR 674; errata filed Mar 19, 1996, 10:20 a.m.: 19 IR 2044)

SECTION 2. 326 IAC 7-4-2 IS AMENDED TO READ AS FOLLOWS:

326 IAC 7-4-2 Marion County sulfur dioxide emission limitations

Authority: IC 13-14-8; IC 13-17-3-4

Affected: IC 13-12; IC 13-14-4-3; IC 13-16-1

Sec. 2. The following sources and facilities located in Marion County shall comply with the sulfur dioxide emission limitations in pounds per million Btu (lbs./MMBtu) and pounds per hour (lbs./hr.), unless otherwise specified, and other requirements:

| <u>Source</u> | <u>Facility Description</u> | <u>Emission Limitations</u> | |
|-------------------------------------|-----------------------------|-----------------------------|-----------------|
| | | <u>lbs./MMBtu</u> | <u>lbs./hr.</u> |
| (1) Acustar | Boiler 1 | 2.82 | 109.98 |
| | Boiler 2 | 2.82 | 109.98 |
| | Boiler 3 | 2.82 | 109.98 |
| (2) Allison Gas Turbine) Plant 5 | Boiler 1 | 3.99 | 299.4 |
| | Boiler 2 | 3.99 | 299.4 |
| | Boiler 3 | 3.99 | 299.4 |
| | Boiler 4 | 3.99 | 299.4 |
| (3) Amtrak | Boilers 61 and 62 | 3.30 | 208.15 |
| (4) Bridgeport Brass | Boiler 1 | 3.55 | 135.8 |
| | Boiler 2 | 3.55 | 135.8 |
| | Boiler 3 | 3.55 | 135.8 |
| (5) Central Soya | Boiler | 4.32 | 272.0 |
| (6) Central State | Boiler 3 | 3.39 | 111.8 |
| | Boiler 7 | 3.39 | 169.5 |
| | Boiler 8 | 3.39 | 169.5 |

| | | | |
|-----------------------------|------------------------|----------------------|---------|
| (7) Citizens Gas | Batteries E & H (each) | 0.79 pounds per ton | 31.16 |
| | Battery 1 | 0.23 pounds per ton | 15.70 |
| (8) Detroit Diesel | Boiler 1 | 1.88 | 67.6 |
| Allison-Plant 3 | Boiler 2 | 1.88 | 67.6 |
| | Boiler 3 | 1.88 | 90.2 |
| | Boiler 4 | 1.88 | 135.2 |
| | Boiler 5 | 1.88 | 180.3 |
| (9) Diamond Bathurst | #2 Furnace | 1.40 pounds per ton | 20.22 |
| (10) Ford | Boiler 1 | 2.43 | 177.38 |
| | Boiler 2 | 2.43 | 354.77 |
| | Boiler 3 | 2.43 | 354.77 |
| (11) Fort Harrison | Boiler 1 | 2.92 | 151.84 |
| | Boiler 2 | 2.92 | 151.84 |
| | Boiler 3 | 2.92 | 151.84 |
| | Boiler 4 | 2.92 | 151.84 |
| (12) G.M. Truck & Bus Group | Boiler 1 | 2.31 | 187.1 |
| | Boiler 2 | 2.31 | 187.1 |
| | Boiler 3 | 2.31 | 106.3 |
| (13) Indiana Girls School | Boiler | 6.00 | 46.9 |
| (14) IPL-Perry W | Boiler 17 | 6.0 | 1,320.0 |
| | Boiler 18 | 6.0 | 1,320.0 |
| (15) Indianapolis Sludge | Incinerator 1 | 2.0 pounds per ton | 14.19 |
| Incinerator | Incinerator 2 | 2.0 pounds per ton | 14.19 |
| | Incinerator 3 | 2.0 pounds per ton | 14.19 |
| | Incinerator 4 | 2.0 pounds per ton | 14.19 |
| | Incinerator 5 | 2.0 pounds per ton | 14.19 |
| | Incinerator 6 | 2.0 pounds per ton | 14.19 |
| | Incinerator 7 | 2.0 pounds per ton | 14.19 |
| | Incinerator 8 | 2.0 pounds per ton | 14.19 |
| (16) Marathon Petroleum) | H-H1 | 1.92 | 36.46 |
| Indiana Refining Division | H-H2 | 1.92 | 36.46 |
| | H-H3 | 1.92 | 38.38 |
| | P-H1 | 1.92 | 89.03 |
| | P-H2 | 1.92 | 82.12 |
| | P-H3 | 1.92 | 30.32 |
| | P-H4 | 1.92 | 33.19 |
| | P-H5 | 1.92 | 9.98 |
| | Alky Reboiler | 1.92 | 53.15 |
| | Crude Heater | 1.92 | 268.05 |
| | Vacuum Heater | 1.92 | 99.20 |
| | Sulfur Recovery | 189.0 pounds per ton | 88.17 |
| | | sulfur | |
| | FCC (Proc) | 3.92 pounds per ton | 506.37 |
| | CO Boiler | 1.92 | 228.72 |
| | FCC Chg. Htr. | 1.92 | 88.26 |

| | | | |
|--------------------------------------|-----------------------|---------------------|--------|
| | GH-1 | 1.92 | 81.36 |
| (17) Navistar | Boiler 1 | 2.98 | 193.72 |
| | Boiler 2 | 2.98 | 193.72 |
| | Boiler 3 | 2.98 | 193.72 |
| (18) Quaker Oats | Boiler 1 | 2.79 | 195.3 |
| | Boiler 2 | 2.79 | 195.3 |
| | Murray Boiler | 0.50 | 50.1 |
| (19) Quemetco | Reverberatory Furnace | 24.6 pounds per ton | 617.0 |
| (20) Refined Metals | Blast Furnace | 10.8 pounds per ton | 64.8 |
| (21) Reilly Industries | 2722 W | 1.25 | 114.75 |
| | 2726 S | 1.25 | 49.1 |
| | 186 N | 1.25 | 46.0 |
| | 2707 V | 1.25 | 20.0 |
| | 112 E | 0.0** | 0.0** |
| | 2710 P | 0.0** | 0.0** |
| | Riley | 1.25 | 64.75 |
| | B & W | 1.25 | 49.1 |
| | 2724 W | 1.25 | 26.3 |
| | 2714 V | 1.25 | 18.8 |
| | 2729 Q | 1.25 | 3.8 |
| | 2740 Q | 1.25 | 7.5 |
| | 732714 | 1.25 | 45.0 |
| | 2728 S | 1.25 | 7.5 |
| | Still | 0.0** | 0.0** |
| | Kettle | 0.0** | 0.0** |
| | 2607 T | 0.0** | 0.0** |
| | 702611 | 0.0** | 0.0** |
| | 722804 | 0.0** | 0.0** |
| | 2706 Q | 0.0** | 0.0** |
| | 2713 W | 0.0** | 0.0** |
| | 2714 W | 0.0** | 0.0** |
| | 2720 W | 0.0** | 0.0** |
| (22) Rexnord-Link Belt Bearing | Boiler A | 3.28 | 101.7 |
| | Boiler B | 3.28 | 101.7 |
| | Boiler C | 0.0* | 0.0* |
| (23) Rexnord-Link Belt Chain | Boiler 1 | 3.68 | 117.8 |
| | Boiler 2 | 3.68 | 117.8 |
| | Boiler 3 | 3.68 | 117.8 |
| (24) Thomson Consumer Electronics | Boiler 1 | 1.95 | 39.0 |
| | Boiler 2 | 1.95 | 39.0 |
| | Boiler 3 | 1.95 | 146.3 |
| | Boiler 4 | 1.95 | 146.3 |
| (25) Union Carbide | Boiler 1 | 3.85 | 92.4 |
| | Boiler 2 | 3.85 | 106.6 |
| | Boiler 3 | 3.85 | 148.2 |

| | | | |
|--------------------------------|----------|------|--------|
| (26) Western Select Properties | Boiler 2 | 2.52 | 189.06 |
| | Boiler 3 | 2.52 | 189.06 |
| | Boiler 4 | 2.52 | 189.06 |
| | Boiler 5 | 2.52 | 252.07 |
| (27) Wishard | Boiler 1 | 4.04 | 105.0 |
| | Boiler 2 | 4.04 | 105.0 |
| | Boiler 3 | 4.04 | 105.0 |

**Less than 0.05

(28) Allison Gas Turbine Operations Plant 8 shall comply with the sulfur dioxide emission limitations provided in clause (A) or (B) and other requirements as follows:

(A) Boilers 2 through 11 may burn natural gas at any time.

(B) Babcock and Wilcox Boilers 2 through 6 and Combustion Engineering Boilers 7 through 11 may burn fuel oil with a sulfur dioxide emission limitation of two and one-tenth (2.1) pounds per million Btu each during periods when one (1) of the following conditions is met:

(i) Fuel oil is burned in no more than three (3) Babcock and Wilcox boilers, and fuel oil is not burned in any combustion engineering boiler.

(ii) Fuel oil is burned in no more than two (2) Babcock and Wilcox boilers and no more than two (2) combustion engineering boilers.

(iii) Fuel oil is burned in no more than one (1) Babcock and Wilcox boiler and no more than three (3) combustion engineering boilers.

(C) A log of hourly operational status and fuel type for each boiler shall be maintained at the plant and made available to the department upon request. A daily summary of operating status and fuel type for each boiler for each day of a calendar quarter shall be submitted to the department on a quarterly basis.

(D) Allison Gas Turbine Operations Plant 8 shall erect a twenty (20) foot stack extension with a diameter at the extension outlet of four (4) feet for each stack serving Boilers 2, 3, 4, 5, and 6 in accordance with the following schedule:

(i) Complete design, specifications, and construction drawings and award contracts by August 2, 1988.

(ii) Complete installation of stack extensions by December 2, 1988.

(29) Indianapolis Power and Light Perry K shall comply with the sulfur dioxide emission limitations in pounds per million Btu and other requirements as follows:

| <u>Boiler Number</u> | <u>Emission Limitations</u> |
|--------------------------------|-----------------------------|
| (A) 17 and 18 | 0.3 |
| (B) 11, 12, 13, 14, 15, and 16 | 2.1 |

(C) As an alternative to the emission limitations in clause (B), sulfur dioxide emissions from Boilers 11, 12, 13, 14, 15, and 16 may comply with any one (1) of the sets of emission limitations in pounds per million Btu as follows:

| <u>Boiler Number</u> | <u>Emission Limitations</u> |
|--------------------------|-----------------------------|
| (i) 13, 14, 15, and 16 | 0.0 |
| 11 and 12 | 4.4 |
| (ii) 11, 12, 15, and 16 | 0.0 |
| 13 and 14 | 4.4 |
| (iii) 11, 12, 13, and 14 | 0.0 |
| 15 and 16 | 4.4 |
| (iv) 11, 12, 15, and 16 | 3.0 |
| 13 and 14 | 0.3 |
| (v) 11 and 12 | 0.3 |
| 13, 14, 15, and 16 | 3.0 |

(D) The department or the Indianapolis Air Pollution Control Division shall be notified prior to the reliance by Indianapolis Power and Light on any one (1) of the sets of alternative emission limitations specified in clause (C).

(E) A log of hourly operating status for each boiler shall be maintained and made available to the department upon request. A daily summary indicating which boilers were in service during the day shall be submitted to the department quarterly. In addition, records of the daily average sulfur content, heat content, and sulfur dioxide emission rate for each day in which an alternative set of emission limitations specified in clause (C) is used shall be submitted to the department quarterly.

(F) For the purposes of 326 IAC 7-2-1(c)(1), during thirty (30) day periods in which Indianapolis Power and Light relies on more than one (1) set of emission limitations specified in clauses (B) through (C), a separate thirty (30) day rolling weighted average for each set of limitations shall be determined. Each thirty (30) day rolling weighted average shall be based on data from the previous thirty (30) operational days within the last ninety (90) days for that set of limitations. If Indianapolis Power and Light does not operate thirty (30) days under any one (1) set of limitations within the last ninety (90) days, the rolling weighted average shall be based on all operational days within the last ninety (90) days for that set of limitations.

(G) Boilers 11 through 16 shall be limited to six and zero-tenths (6.0) pounds per million Btu each until Boilers 11 through 16 achieve compliance with the sulfur dioxide emission limitations specified in clauses (B) through (C). Compliance with the emission limitations specified in clauses (B) through (C) shall be achieved according to the following schedule:

- (i) Complete engineering analysis of modifications by April 2, 1988.
- (ii) Complete testing and design of modifications and place orders for necessary equipment by May 2, 1989.
- (iii) Complete installation of necessary equipment and achieve compliance with emission limitations specified in clauses (B) through (C) by June 2, 1990.

(30) Indianapolis Power and Light Stout shall comply with the sulfur dioxide emission limitations in pounds per million Btu and other requirements as follows:

| <u>Boiler/Turbine Number</u> | <u>Emission Limitations</u> |
|---|-----------------------------|
| (A) Boiler 70 | 5.3 |
| (B) Boilers 50 and 60 | 4.7 |
| Boilers 1 through 8 | 0.0 |
| Boilers 9 and 10 and Gas Turbines 1, 2, and 3 | 0.35 |

(C) As an alternative to the emission limitations in clause (B), sulfur dioxide emissions from Boilers 50, 60, and 1 through 10 and Gas Turbines 1, 2, and 3 may comply with any one (1) of the sets of emission limitations in pounds per million Btu as follows:

| <u>Boiler/Turbine Number</u> | <u>Emission Limitations</u> |
|---|-----------------------------|
| (i) Boilers 50 and 60 | 5.2 |
| Boilers 1 through 10 and Gas Turbines 1, 2, and 3 | 0.0 |
| (ii) Boilers 50 and 60 | 5.0 |
| Boilers 1 through 10 | 0.0 |
| Gas Turbines 1, 2, and 3 | 0.4 |
| (iii) Boilers 50 and 60 | 4.1 |
| Boilers 1 through 8 | 0.26 |
| Boilers 9 and 10 | 0.35 |
| Gas Turbines 1, 2, and 3 | 0.3 |
| (iv) Boilers 50 and 60 | 3.9 |
| Boilers 1 through 8 | 0.34 |
| Boilers 9 and 10 and Gas Turbines 1, 2, and 3 | 0.35 |

(D) The department or the Indianapolis Air Pollution Control Division shall be notified prior to the reliance by Indianapolis Power and Light on any one (1) of the sets of alternative emission limitations specified in clause (C).

(E) A log of hourly operating status for each boiler shall be maintained and made available to the department upon request. A daily summary indicating which boilers were in service during the day shall be submitted to the department quarterly. In addition, records of the daily average sulfur content, heat content, and sulfur dioxide emission rate for each day in which an alternative set of emission limitations specified in clause (C) is used shall be submitted to the department quarterly.

(F) For the purposes of 326 IAC 7-2-1(c)(1), during thirty (30) day periods in which Indianapolis Power and Light relies on more than one (1) set of emission limitations specified in clauses (B) through (C), a separate thirty (30) day rolling weighted average for each set of limitations shall be determined. Each thirty (30) day rolling weighted average shall be based on data from the previous thirty (30) operational days within the last ninety (90) days for that set of limitations. If Indianapolis Power and Light does not operate thirty (30) days under any one (1) set of limitations within the last ninety (90) days, the rolling weighted average shall be based on all operational days within the last ninety (90) days for that set of limitations.

(G) Indianapolis Power and Light shall install a stack diameter restriction for the stack serving Boilers 50 and 60. The stack diameter restriction shall reduce the diameter to six and one-half (6 1/2) feet at the tip of the stack. The installation of the stack diameter restriction shall be in accordance with the following schedule:

- (i) Complete preliminary design of modifications by December 2, 1988.
- (ii) Place orders for necessary modification by July 2, 1989.
- (iii) Complete installation by February 2, 1990.

(31) National Starch and Chemical shall comply with the sulfur dioxide emission limitations in pounds per million Btu (lbs./MMBtu) and pounds per hour (lbs./hr.) and other requirements as follows:

| <u>Boiler Number</u> | <u>Emission Limitations</u> <u>lbs./MMBtu</u> | <u>lbs./hr.</u> |
|----------------------|--|-----------------|
| (A) 1, 2, 3, and 5 | 3.71 | 1,510.8 |

(B) National Starch and Chemical shall combine the gas effluents from Boilers 1, 2, 3, and 5 into a newly constructed stack with a release point of one hundred seventy-one (171) feet above grade and a stack diameter at

the outlet of eight and one-half (8 1/2) feet. The new stack shall be constructed according to the following schedule:

- (i) Complete design of necessary equipment by August 2, 1988.
- (ii) Purchase and receive delivery of equipment for necessary modifications by June 2, 1989.
- (iii) Complete installation of new stack by June 2, 1990. National Starch and Chemical shall not operate its Boilers 1, 2, 3, and 5 after June 2, 1990, for production unless the exhaust from such boilers is discharged through a single stack having a release height of one hundred seventy-one (171) feet above grade and an outlet diameter of eight and five-tenths (8 1/2) feet.

(Air Pollution Control Board; 326 IAC 7-4-2; filed Aug 28, 1990, 4:50 p.m.: 14 IR 65)